AIRTECH

INTERNATIONAL INC.

Release Fabrics / Peel Plies

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Section Guide

RELEASE FABRICS / PEEL PLIES

Name	Material type	Release coating	Maximum use temperature	Weight	Color	Page
Release Ply A	Nylon	-	450°F (232°C)	2.34 oz / yd² (80 g / m²)	Off-white	1
Release Ply Super A	Nylon	-	450°F (232°C)	4.10 oz / yd² (139 g / m²)	White	2
Release Ply B	Nylon	-	450°F (232°C)	1.83 oz / yd² (62 g / m²)	White	3
Release Ply C	Polyester	-	400°F (204°C)	1.9 oz / yd² (64 g / m²)	White	4
Release Ply F	Polyester	-	400°F (204°C)	2.8 oz / yd² (95 g / m²)	White	5
Release Ply Super F	Polyester	-	400°F (204°C)	3.35 oz / yd² (114 g / m²)	White	6
Release Ply G	Polyester	-	400°F (204°C)	2.7 oz / yd² (92 g / m²)	White	7
Stitch Ply G	Polyester	-	400°F (204°C)	2.7 oz / yd² (92 g / m²)	White	8
Ultra Ply 22 T	Polyester	-	400°F (204°C)	2.8 oz / yd² (95 g / m²)	White	9
Bleeder Lease® A	Nylon	Silicone	450°F (232°C)	2.34 oz / yd² (80 g / m²)	Green	10
Bleeder Lease® B	Nylon	Silicone	450°F (232°C)	1.83 oz / yd² (62 g / m²)	Green	11
Bleeder Lease® C	Fiberglass	Silicone	800°F (427°C)	8.8 oz / yd² (299 g / m²)	Green	12
Bleeder Lease® E	Fiberglass	Silicone	800°F (427°C)	3.7 oz / yd² (126 g / m²)	Green	13
Bleeder Lease® G	Polyester	Silicone	400°F (204°C)	2.45 oz / yd² (83 g / m²)	Green	14
Superlease Blue	Nylon	Silicone	450°F (232°C)	1.83 oz / yd² (62 g / m²)	Blue	15
Econostitch®	Nylon	-	375°F (190°C)	2.6 oz / yd² (88 g / m²)	White	16
Econostitch® G	Polyester	-	375°F (190°C)	2.5 oz / yd² (85 g / m²)	White	17
Econoply E	Polyester	-	300°F (149°C)	2.8 oz / yd² (95 g / m²)	White	18
Econoply J	Polyester	-	250°F (121°C)	1.6 oz / yd² (54 g / m²)	White	19
Econolease	Nylon	Silicone	400°F (204°C)	1.8 oz / yd² (61 g / m²)	Light blue	20
Release Ease® 234 TFP	Fiberglass	PTFE	550°F (288°C)	-	Brown	21
Release Ease® 234 TFP-HP	Fiberglass	PTFE	550°F (288°C)	-	Brown	22
Release Ease® 234 TFP-1	Fiberglass	PTFE	550°F (288°C)	-	Brown	23

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Name	Material type	Release coating	Maximum use temperature	Weight	Color	Page
Release Ease® 234 TFNP	Fiberglass	PTFE	550°F (288°C)	-	Brown	24
Release Ease® 236 TFNP	Fiberglass	PTFE	550°F (288°C)	-	Brown	25
Bagside and toolside breathing		-	-	-		26
Dahltexx SP-2	Nylon	-	350°F (177°C)	4.2 oz / yd^2 (140 g / m^2)	Light blue fabric side / White membrane side	27

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Data Sheet

RELEASE PLY A

Non-coated nylon peel ply

DESCRIPTION

Release Ply A is a highly drapable nylon peel ply with a more open weave style.

Release ply fabrics are peel plies, used to texture the surface of a composite laminate. The peel ply surface is helpful for secondary bonding or painting of the composite laminate. Release ply fabrics may reduce or eliminate the need for sanding or abrading. The fabric is scoured and heat set to remove contaminates and reduce shrinkage.

BENEFITS

- Peel plies strip off of cured laminates leaving a textured surface, reducing time spent hand finishing.
- Less time abrading in preparation for secondary bonding or painting.
- Highly drapable weave style can be applied over shaped parts easily.

TECHNICAL DATA

Maximum use temperature	450°F (232°C)
Fiber type	Nylon
Fabric construction: warp x fill	40 x 40 ends/in x picks/in (158 x 158 ends/ dm x picks/ dm)
Weight	2.34 oz/yd^2 (80 g/m^2)
Thickness	0.006 inch (0.152 mm)
Color	Off-white
Extractables	< 0.5 % by weight
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
60 inches (152 cm)	250 yards (229 m)	1 roll

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Hot knife (sealed edge) slitting upon request with 1 roll as minimum order quantity.
- Not recommended for use against phenolic resins.

Last updated : 2018-10-03

Catalog position : Release fabrics / Peel plies

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Data Sheet

RELEASE PLY SUPER A

Non-coated heavy duty version of Release Ply A

DESCRIPTION

Release Ply Super A is a heavy duty, highly drapable nylon peel ply with a more open weave style.

Release ply fabrics are peel plies, used to texture the surface of a composite laminate. The peel ply surface is helpful for secondary bonding or painting of the composite laminate. Release ply fabrics may reduce or eliminate the need for sanding or abrading. The fabric is scoured and heat set to remove contaminates and reduce shrinkage.

BENEFITS

- Heavy duty version of Release Ply A is stronger to resist tearing in tougher applications.
- Strips off of cured laminates leaving a courser texture, reducing time spent abrading.
- Highly drapable weave style can be applied over multiple curved surfaces easily.

TECHNICAL DATA

Maximum use temperature	450°F (232°C)
Fiber type	Nylon
Fabric construction: warp x fill	80 x 62 ends/in x picks/in (315 x 244 ends/ dm x picks/ dm)
Weight	4.10 oz/yd^2 (139 g/m^2)
Thickness	0.009 inch (0.228 mm)
Color	White
Extractables	<0.5 % by weight
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
60 inches (152 cm)	250 yards (229 m)	1 roll

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Hot knife (sealed edge) slitting upon request with 1 roll as minimum order quantity.
- Not recommended for use against phenolic resins.

Last updated : 2018-10-03

Catalog position : Release fabrics / Peel plies

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Data Sheet

RELEASE PLY B

Non-coated nylon peel ply with tight weave

DESCRIPTION

Release Ply B is our tightest weave nylon peel ply that produces a "fine" texture.

Release ply fabrics are peel plies, used to texture the surface of a composite laminate. The peel ply surface is helpful for secondary bonding or painting of the composite laminate. Release ply fabrics may reduce or eliminate the need for sanding or abrading. The fabric is scoured and heat set to remove contaminates and reduce shrinkage.

BENEFITS

- Peel plies strip off of cured laminates leaving a fine textured surface, reducing time spent hand finishing.
- Less time abrading in preparation for secondary bonding or painting.
- Fabric has been scoured to reduce the need for removing contaminants off cured laminates.

TECHNICAL DATA

Maximum use temperature	450°F (232°C)
Fiber type	Nylon
Fabric construction: warp x fill	104 x 87 ends/in x picks/in (409 x 343 ends/ dm x picks/ dm)
Weight	1.83 oz/yd^2 (62 g/m^2)
Thickness	0.0045 inch (0.114 mm)
Color	White
Extractables	<0.5 % by weight
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
60 inches (152 cm)	250 yards (229 m)	1 roll

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Hot knife (sealed edge) slitting upon request with 1 roll as minimum order quantity.
- Not recommended for use against phenolic resins.

Last updated : 2018-10-03

Catalog position : Release fabrics / Peel plies

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Data Sheet

RELEASE PLY C

Non-coated polyester peel ply

DESCRIPTION

Release ply C is our tightest weave polyester peel ply when extra strength is needed.

Release ply fabrics are peel plies, used to texture the surface of a composite laminate. The peel ply surface is helpful for secondary bonding or painting of the composite laminate. Release ply fabrics may reduce or eliminate the need for sanding or abrading. The fabric is scoured and heat set to remove contaminates and reduce shrinkage.

BENEFITS

- Peel plies strip off of cured laminates leaving a fine textured surface, reducing time spent hand finishing.
- Less time abrading in preparation for secondary bonding or painting.
- Polyester fiber provides additional strength and resistance to aggressive resins such as phenolics.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Fiber type	Polyester
Fabric construction: warp x fill	104 x 84 ends/in x picks/in (409 x 331 ends/ dm x picks/ dm)
Weight	1.9 oz/yd^2 (64 g/m^2)
Thickness	0.004 inch (0.101 mm)
Color	White
Extractables	<0.5 % by weight
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
60 inches (152 cm)	250 yards (229 m)	1 roll

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Hot knife (sealed edge) slitting upon request with 1 roll as minimum order quantity.

Last updated : 2018-10-03

Catalog position : Release fabrics / Peel plies

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Data Sheet

RELEASE PLY F

Non-coated polyester peel ply with superior strength

DESCRIPTION

Release Ply F is designed to be drapable yet provide superior strength.

Release ply fabrics are peel plies, used to texture the surface of a composite laminate. The peel ply surface is helpful for secondary bonding or painting of the composite laminate. Release ply fabrics may reduce or eliminate the need for sanding or abrading. The fabric is scoured and heat set to remove contaminates and reduce shrinkage.

BENEFITS

- Good combination of strength and drape for easy application and removal after cure.
- Polyester fiber provides additional strength and resistance to aggressive resins such as phenolics.
- Peel plies strip off of cured laminates leaving a fine textured surface, reducing time spent hand finishing.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Fiber type	Polyester
Fabric construction: warp x fill	76 x 54 ends/in x picks/in (299 x 213 ends/ dm x picks/ dm)
Weight	2.8 oz/yd^2 (95 g/m^2)
Thickness	0.006 inch (0.152 mm)
Color	White
Extractables	<0.5 % by weight
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
60 inches (152 cm)	250 yards (229 m)	1 roll

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Hot knife (sealed edge) slitting upon request with 1 roll as minimum order quantity.

Last updated : 2018-10-03

Catalog position : Release fabrics / Peel plies

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Data Sheet

RELEASE PLY SUPER F

Non-coated heavy duty version of Release Ply F

DESCRIPTION

Release Ply Super F is designed to be drapable yet provide superior strength.

Release ply fabrics are peel plies, used to texture the surface of a composite laminate. The peel ply surface is helpful for secondary bonding or painting of the composite laminate. Release ply fabrics may reduce or eliminate the need for sanding or abrading. The fabric is scoured and heat set to remove contaminates and reduce shrinkage.

BENEFITS

- Heavy duty version with extra strength and drape for easy application and removal after cure.
- Polyester fiber provides additional strength and resistance to aggressive resins such as phenolics.
- Peel plies strip off of cured laminates leaving a fine textured surface, reducing time spent hand finishing.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Fiber type	Polyester
Fabric construction: warp x fill	90 x 64 ends/in x picks/in (354 x 252 ends/ dm x picks/ dm)
Weight	3.35 oz/yd^2 (114 g/m^2)
Thickness	0.0065 inch (0.165 mm)
Color	White
Extractables	<0.5 % by weight
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
60 inches (152 cm)	250 yards (229 m)	1 roll

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Hot knife (sealed edge) slitting upon request with 1 roll as minimum order quantity.
- Blue is available on special order.

Last updated : 2018-10-03

Catalog position : Release fabrics / Peel plies

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Data Sheet

RELEASE PLY G

Non-coated polyester peel ply with excellent strength

DESCRIPTION

Release Ply G is a tight woven polyester with excellent strength.

Release ply fabrics are peel plies, used to texture the surface of a composite laminate. The peel ply surface is helpful for secondary bonding or painting of the composite laminate. Release ply fabrics may reduce or eliminate the need for sanding or abrading. The fabric is scoured and heat set to remove contaminates and reduce shrinkage.

BENEFITS

- Strength of tighter weave aids removal after cure in most demanding applications.
- Polyester fiber provides additional strength and resistance to aggressive resins such as phenolics.
- Peel plies strip off of cured laminates leaving a fine textured surface, reducing time spent hand finishing.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Fiber type	Polyester
Fabric construction: warp x fill	121 x 64 ends/in x picks/in (472 x 252 ends/ dm x picks/ dm)
Weight	2.7 oz/yd^2 (92 g/m^2)
Thickness	0.005 inch (0.127 mm)
Color	White
Extractables	<0.5 % by weight
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
60 inches (152 cm)	250 yards (229 m)	1 roll

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process, specific, Airtech recommends testing prior to use.
- Hot knife (sealed edge) slitting upon request with 1 roll as minimum order quantity.

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Catalog position : Release fabrics / Peel plies

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Data Sheet

STITCH PLY G

Non-coated polyester peel ply with black tracers

DESCRIPTION

Stitch Ply G is a similar version of Release Ply G with black tracers (pin stripes) for easy identification on the laminate.

Release ply fabrics are peel plies, used to texture the surface of a composite laminate. The peel ply surface is helpful for secondary bonding or painting of the composite laminate. Release ply fabrics may reduce or eliminate the need for sanding or abrading. The various weave styles should provide a match for your specific application. The fabrics are scoured and heat set (unless specified) to remove most contaminates and reduce shrinkage.

BENEFITS

- Strength of tighter weave aids removal after cure in most demanding applications.
- Black pin stripes make fabric more visible to reduce risk of leaving in place during bonding process.
- Peel plies strip off of cured laminates leaving a fine textured surface, reducing time spent hand finishing.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Fiber type	Polyester
Fabric construction: warp x fill	121 x 64 ends/in x picks/in (472 x 252 ends/ dm x picks/ dm)
Weight	2.7 oz/yd^2 (92 g/m^2)
Thickness	0.005 inch (0.127 mm)
Color	White
Tracer	Black
Extractables	<0.5 % by weight
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
60 inches (152 cm)	250 yards (229 m)	1 roll

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Hot knife (sealed edge) slitting upon request with 1 roll as minimum order quantity.

Last updated : 2016-12-20

Catalog position : Release fabrics / Peel plies

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Data Sheet

ULTRA PLY 22 T

Non-coated polyester peel ply with good drapability

DESCRIPTION

Ultra Ply 22T is a unique polyester peel ply with a twill weave and good drape.

Release ply fabrics are peel plies, used to texture the surface of a composite laminate. The peel ply surface is helpful for secondary bonding or painting of the composite laminate. Release ply fabrics may reduce or eliminate the need for sanding or abrading. The various weave styles should provide a match for your specific application. The fabrics are scoured and heat set (unless specified) to remove most contaminates and reduce shrinkage.

BENEFITS

- Twill weave with extra drape for easy application and removal after cure.
- Polyester fiber provides additional strength and resistance to aggressive resins such as phenolics.
- Peel plies strip off of cured laminates leaving a fine textured surface, reducing time spent hand finishing.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Fiber type	Polyester
Fabric construction: warp x fill	77 x 64 ends/in xm picks/in (303 x 252 ends/ dm x picks/ dm)
Weight	2.8 oz/yd^2 (95 g/m^2)
Thickness	0.0065 inch (0.165 mm)
Color	White
Extractables	< 0.5 % by weight
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
60 inches (152 cm)	250 yards (229 m)	1 roll

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Hot knife (sealed edge) slitting upon request with 1 roll as minimum order quantity.

Last updated : 2018-10-03

Catalog position : Release fabrics / Peel plies

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Data Sheet

BLEEDER LEASE® A

Coated nylon peel ply

DESCRIPTION

Bleeder Lease® A peel ply is a high temperature fabric coated with a silicone release agent. It provides superior release to plain peel plies because the coating prevents the fabric from bonding to the laminate while producing a textured surface. It will provide easy release from most prepregs and resin systems. All coated peel plies have the potential to transfer. Bleeder Lease® A is a highly drapable, open weave coated nylon peel ply that works well with most epoxies and polyester resin systems.

BENEFITS

- Release coating reduces the effort required to remove peel ply from laminate.
- Peel plies strip off of cures laminates leaving a textured surface, reducing time spent hand finishing.
- Highly drapable weave style can be applied over compound contours more easily.

TECHNICAL DATA

Maximum use temperature	450°F (232°C)
Fiber type	Nylon
Fabric construction: warp x fill	40 x 40 ends/in x picks/in (158 x 158 ends/ dm x picks/ dm)
Weight	2.34 oz/yd^2 (80 g/m^2)
Thickness	0.006 inch (0.152 mm)
Color	Green
Coating type	Silicone
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
60 inches (152 cm)	100 yards (91 m)	1 roll

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Hot knife (sealed edge) slitting upon request with 1 roll as minimum order quantity.
- Certain phenolic resins will adhere to this product. Airtech recommends testing prior to use.

Last updated : 2018-10-03

Catalog position : Release fabrics / Peel plies

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Data Sheet

BLEEDER LEASE® B

Coated nylon peel ply

DESCRIPTION

Bleeder Lease® B peel ply is a high temperature fabric coated with a silicone release agent. It provides superior release to plain peel plies because the coating prevents the fabric from bonding to the laminate while producing a textured surface. It will provide easy release from most prepregs and resin systems. All coated peel plies have the potential to transfer. Bleeder Lease® B is a tightly woven, coated nylon peel ply that releases well from most resin systems. It is an excellent choice for many resin infusion projects.

BENEFITS

- Release coating reduces the effort required to remove peel ply from laminate.
- Peel plies strip off of cures laminates leaving a textured surface, reducing time spent hand finishing.
- Highly drapable weave style can be applied over multiple curved surfaces more easily.

TECHNICAL DATA

Maximum use temperature	450°F (232°C)
Fiber type	Nylon
Fabric construction: warp x fill	104 x 87 ends/in x picks/in (409 x 342 ends/ dm x picks/ dm)
Weight	1.83 oz/yd^2 (62 g/m^2)
Thickness	0.0045 inch (0.114 mm)
Color	Green
Coating type	Silicone
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
60 inches (152 cm)	100 yards (91 m)	1 roll

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Hot knife (sealed edge) slitting upon request with 1 roll as minimum order quantity.
- Certain phenolic resins will adhere to this product. Airtech recommends testing prior to use.

Last updated : 2018-10-03

Catalog position : Release fabrics / Peel plies

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Data Sheet

BLEEDER LEASE® C

Coated fiberglass fabric

DESCRIPTION

Bleeder Lease® C peel ply is a high temperature fabric coated with a silicone release agent. It provides superior release to plain peel plies because the coating prevents the fabric from bonding to the laminate while producing a textured surface. It will provide easy release from most prepregs and resin systems. All coated peel plies have the potential to transfer. It has been used up to 800°F (427°C) cures and releases from most resin systems and is ideal for use on polyimide and thermoplastic high temperature lay-ups.

BENEFITS

- Release coating reduces the effort required to remove peel ply from laminate.
- Peel plies strip off of cures laminates leaving a textured surface, reducing time spent hand finishing.
- Fiberglass retains its strength through high temperature cures and post cures for easier removal after cure.

TECHNICAL DATA

Maximum use temperature	800°F (427°C)
Fiber type	Fiberglass
Fabric construction	57 x 54 ends/in x picks/in (224 x 213 ends/ dm x picks/ dm)
Weight	8.8 oz/yd^2 (299 g/m^2)
Thickness	0.013 inch (0.330 mm)
Color	Green
Coating type	Silicone
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
50 inches (127 cm)	100 yards (91 m)	1 roll

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- This cannot be slit to narrow widths.

Last updated : 2018-10-03

Catalog position : Release fabrics / Peel plies

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Data Sheet

BLEEDER LEASE® E

Coated fiberglass fabric

DESCRIPTION

Bleeder Lease® E peel ply is a high temperature fabric coated with a silicone release agent. It provides superior release to plain peel plies because the coating prevents the fabric from bonding to the laminate while producing a textured surface. It will provide easy release from most prepregs and resin systems. All coated peel plies have the potential to transfer. It is a tightly woven fabric that has been used up to 800°F (427°C) cures and releases from most resin systems and is ideal for use on polyimide and thermoplastic high temperature lay-ups.

BENEFITS

- Release coating reduces the effort required to remove peel ply from laminate.
- Peel plies strip off of cured laminates leaving a textured surface, reducing time spent hand finishing.
- Tightly woven fiberglass retains its strength through high temperature use for easier removal after cure.

TECHNICAL DATA

Maximum use temperature	800°F (427°C)
Fiber type	Fiberglass
Fabric construction	60 x 52 ends/in x picks/in (236 x 205 ends/ dm x picks/ dm)
Weight	3.7 oz/yd^2 (126 g/m^2)
Thickness	0.0042 inch (0.107 mm)
Color	Green
Coating type	Silicone
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
50 inches (127 cm)	100 yards (91 m)	1 roll

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- This cannot be slit to narrow widths.

Last updated : 2018-10-03

Catalog position : Release fabrics / Peel plies

AIRTECH INTERNATIONAL INC.

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Data Sheet

BLEEDER LEASE® G

Coated polyester peel ply

DESCRIPTION

Bleeder Lease® G peel ply is a high temperature fabric coated with a silicone release agent. It provides superior release to plain peel plies because the coating prevents the fabric from bonding to the laminate while producing a textured surface. It will provide easy release from most prepregs and resin systems. All coated peel plies have the potential to transfer. Bleeder Lease® G is a tightly woven coated polyester material that will release from the more difficult resin systems. The polyester adds strength, making removal easier.

BENEFITS

- Release coating reduces the effort required to remove peel ply from laminate.
- Strength of tighter weave aids removal after cure in most demanding applications.
- Polyester fiber provides additional strength and resistance to aggressive resins such as phenolics.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Fiber type	Polyester
Fabric construction: warp x fill	120 x 64 ends/in x picks/in (472 x 252 ends/ dm x picks/ dm)
Weight	2.45 oz/yd^2 (83 g/m^2)
Thickness	0.005 inch (0.127 mm)
Color	Green
Coating type	Silicone
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
60 inches (152 cm)	100 yards (91 m)	1 roll

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Hot knife (sealed edge) slitting upon request with 1 roll as minimum order quantity.

Last updated : 2018-10-03

Catalog position : Release fabrics / Peel plies

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Data Sheet

SUPERLEASE BLUE

Coated nylon peel ply

DESCRIPTION

Superlease Blue peel ply is a high temperature fabric coated with a silicone release agent. It provides superior release to plain peel plies because the coating prevents the fabric from bonding to the laminate while producing a textured surface. It will provide easy release from most prepregs and resin systems. All coated peel plies have the potential to transfer. Superlease Blue is a tightly woven, coated nylon peel ply that releases well with most resin systems. It is a superior peel ply for resin infusion or other resin rich processes.

BENEFITS

- Release coating reduces the effort required to remove peel ply from laminate.
- Peel plies strip off of cured laminates leaving a textured surface, reducing time spent hand finishing.
- Fabric has been scoured to reduce need for removing contaminants off cured laminates.

TECHNICAL DATA

Maximum use temperature	450°F (232°C)
Fiber type	Nylon
Fabric construction: warp x fill	104 x 87 ends/in x picks/in (409 x 342 ends/ dm x picks/ dm)
Weight	1.83 oz/yd^2 (62 g/m^2)
Thickness	0.0045 inch (0.114 mm)
Color	Blue
Materials to avoid	Phenolic resins
Coating type	Silicone
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
60 inches (152 cm)	100 yards (91 m)	1 roll

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Hot knife (sealed edge) slitting upon request with 1 roll as minimum order quantity.

Last updated : 2018-10-03

Catalog position : Release fabrics / Peel plies

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Data Sheet

ECONOSTITCH®

Non-coated nylon peel ply with red tracers

DESCRIPTION

Econostitch® is a heat set and scoured nylon peel ply with red tracers which make this peel ply more visible before and after a cure, reducing the possibility of the peel ply being left on the part.

Our Econo peel plies are designed to work in resin infusion or hand lay-up processes. Econostitch® assists or eliminates the need for sanding or abrading on your composite laminate.

BENEFITS

- Peel plies strip off of cured laminates leaving a textured surface, reducing time spent hand finishing.
- Lower cost fabric reduces overall cost of vacuum bag process materials.
- Red pin stripes make fabric more visible to reduce risk of leaving in place after cure.

TECHNICAL DATA

Maximum use temperature	375°F (190°C)
Fiber type	Nylon
Weight	2.6 oz/yd^2 (88 g/m^2)
Thickness	0.006 inch (0.152 mm)
Color	White
Tracer	Red
Extractables	<0.5 % by weight
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
60 inches (152 cm)	300 yards (274 m)	1 roll

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Hot knife (sealed edge) slitting upon request with 1 roll as minimum order quantity.
- Not recommended for use against phenolic resins.

Last updated : 2018-10-03

Catalog position : Release fabrics / Peel plies

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Data Sheet

ECONOSTITCH® G

Polyester peel ply with black tracers

DESCRIPTION

Econostitch® G is an economical, heat set and scoured peel ply with good performance when used with both polyester and epoxy resins. It has black tracers with high visibility to reduce the risk of peel ply being left on the part.

Our Econo peel plies are designed to work in resin infusion or hand lay-up processes. Econostitch® G assists or eliminates the need for sanding or abrading on your composite laminate.

BENEFITS

- Peel plies strip off of cured laminates leaving a textured surface, reducing time spent hand finishing.
- Lower cost tightly woven fabric reduces material cost and is easier to remove, reducing labor cost.
- Black pin stripes make fabric more visible to reduce risk of leaving in place after cure.

TECHNICAL DATA

Maximum use temperature	375°F (190°C)
Fiber type	Polyester
Weight	2.5 oz/yd^2 (85 g/m^2)
Thickness	0.005 inch (0.127 mm)
Color	White
Tracer	Black
Extractables	<0.5 % by weight
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
71 inches (180 cm)	218 yards (200 m)	1 roll

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Hot knife (sealed edge) slitting upon request with 1 roll as minimum order quantity.
- Watch a demo video of Econostitch® G in the "Media Center" on our website.

Last updated : 2018-10-03

Catalog position : Release fabrics / Peel plies

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Data Sheet

ECONOPLY E

Non-coated, heavy duty polyester peel ply

DESCRIPTION

Econoply E is a heavy weight, heat set and scoured polyester peel ply developed for use in difficult environments and where a more textured surface is required for secondary bonding.

Our Econo range of peel plies are high quality but inexpensive and developed for applications such as resin infusion and hand lay-up. Econo peel plies assist or eliminate the need for sanding or abrading composite laminate.

BENEFITS

- Peel plies strip off of cured laminates leaving a textured surface, reducing time spent hand finishing.
- Lower cost fabric reduces overall cost of vacuum bag process materials.
- Heavy duty version is stronger to resist tearing in tougher applications.

TECHNICAL DATA

Maximum use temperature	300°F (149°C)
Fiber type	Polyester
Weight	2.8 oz/yd^2 (95 g/m^2)
Thickness	0.006 inch (0.152 mm)
Color	White
Extractables	<0.5 % by weight
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
60 inches (152 cm)	250 yards (229 m)	1 roll

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Hot knife (sealed edge) slitting upon request with 1 roll as minimum order quantity.

Last updated : 2018-10-03

Catalog position : Release fabrics / Peel plies

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Data Sheet

ECONOPLY J

Non-coated polyester peel ply

DESCRIPTION

Econoply J is a light weight, heat set and scoured polyester peel ply with a tight weave and good drapability.

Our Econo range of peel plies are high quality but inexpensive and developed for applications such as resin infusion and hand lay-up. Econo peel plies assist or eliminate the need for sanding or abrading composite laminate.

BENEFITS

- Peel plies strip off of cured laminates leaving a fine textured surface, reducing time spent hand finishing.
- Lower cost fabric reduces overall cost of vacuum bag process materials.
- Drapable weave style can be applied over multiple cured surfaces easily.

TECHNICAL DATA

Maximum use temperature	250°F (121°C)
Fiber type	Polyester
Weight	1.6 oz/yd^2 (54 g/m^2)
Thickness	0.003 inch (0.076 mm)
Color	White
Extractables	<0.5 % by weight
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
60 inches (152 cm)	100 yards (91 m)	1 roll

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Hot knife (sealed edge) slitting upon request with 1 roll as minimum order quantity.

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Data Sheet

ECONOLEASE

Coated nylon peel ply

DESCRIPTION

Econolease is a silicone treated nylon peel ply which provides greater release in difficult environments.

Our Econo peel plies are designed to work in resin infusion or hand lay-up processes. All coated peel plies have the potential to transfer.

BENEFITS

- Lower cost fabric reduces overall cost of vacuum bag process materials.
- Release coating reduces the effort required to remove peel ply from laminate.
- Peel plies strip off cured laminates leaving a fine textured surface, reducing time spent hand finishing.

TECHNICAL DATA

Maximum use temperature	400°F (204°C)
Fiber type	Nylon
Weight	1.8 oz/yd^2 (61 g/m^2)
Thickness	0.004 inch (0.101 mm)
Color	Light blue
Coating type	Silicone
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
60 inch (152 cm)	100 yards (91 m)	1 roll

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Hot knife (sealed edge) slitting upon request with 1 roll as minimum order quantity.
- Certain phenolic resins will adhere to this product. Airtech recommends testing prior to use.

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Data Sheet

RELEASE EASE® 234 TFP

Porous PTFE coated fiberglass fabric

DESCRIPTION

Release Ease® PTFE coated fiberglass fabrics will provide release from all conventional resin systems. Porous products will allow excess resin, volatiles and trapped air to escape into the breather during cure while non-porous products will retain resin. Release Ease® products have a continuous service temperature to 550°F (288°C).

BENEFITS

- Porous PTFE coating makes fabric much easier to remove off of cured laminates, resulting in time saved.
- Release Ease strips off cured laminates leaving a textured surface, reducing time spent hand finishing.
- Fiberglass retains its strength through high temperature use for easier removal after cure.

TECHNICAL DATA

Maximum use temperature	550°F (288°C)
Fiber type	Fiberglass
Thickness	0.0024 inch (0.060 mm)
Color	Brown
Coating type	PTFE
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
38 inches (97 cm)	100 yards (91 m)	1 roll
50 inches (127 cm)	100 yards (91 m)	1 roll
60 inches (152 cm)	100 yards (91 m)	1 roll

- Other sizes available on special request. Minimum order may apply.

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Color is subject to slight variation and does not affect performance.
- Hot knife (sealed edge) slitting upon request with 1 roll minimum order quantity.

Last updated : 2018-10-09

Catalog position : Release fabrics / Peel plies

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Data Sheet

RELEASE EASE® 234 TFP-HP

Highly porous PTFE coated fiberglass fabric

DESCRIPTION

Release Ease® 234 TFP-HP is a glass fabric with a reduced PTFE content for increased porosity. Release Ease® PTFE coated fiberglass fabrics will provide release from all conventional resin systems. Porous products will allow excess resin, volatiles and trapped air to escape into the breather during cure while non-porous products will retain resin. Excellent with resin infusion processing. Release Ease® products have a continuous service temperature to 550°F (288°C).

BENEFITS

- Porous PTFE coating makes fabric much easier to remove off of cured laminates, resulting in time saved.
- High porosity version improves air flow for improved part quality when molding prepreg parts.
- Improved resin flow through high porosity version improves part quality for infusion process.

TECHNICAL DATA

Maximum use temperature	550°F (288°C)
Fiber type	Fiberglass
Thickness	0.003 inch (0.076 mm)
Color	Brown
Coating type	PTFE
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
38 inches (97 cm)	100 yards (91 m)	1 roll

- Other sizes available on special request. Minimum order may apply.

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Color is subject to slight variation and does not affect performance.
- Hot knife (sealed edge) slitting upon request with 1 roll minimum order quantity.

Last updated : 2018-10-09

Catalog position : Release fabrics / Peel plies

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Data Sheet

RELEASE EASE® 234 TFP-1

Thin porous PTFE coated fiberglass fabric

DESCRIPTION

Release Ease® 234 TFP-1 is a porous glass fabric with a reduced thickness of 0.0016 inch (40 µm). Release Ease® PTFE coated fiberglass fabrics will provide release from all conventional resin systems. Porous products will allow excess resin, volatiles and trapped air to escape into the breather during cure while non-porous products will retain resin. Release Ease® products have a continuous service temperature to 550°F (288°C).

BENEFITS

- Thin Release Ease® version conforms more easily to shape and reduces resin bleed out.
- Porous PTFE coating makes fabric much easier to remove off of cured laminates, resulting in time saved.
- Release Ease® strips off of cured laminates leaving a textured surface, reducing time spent hand finishing.

TECHNICAL DATA

Maximum use temperature	550°F (288°C)
Fiber type	Fiberglass
Thickness	0.0016 inch (0.040 mm)
Color	Brown
Coating type	PTFE
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
38 inches (97 cm)	100 yards (91 m)	1 roll

- Other sizes available on special request. Minimum order may apply.

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Color is subject to slight variation and does not affect performance.
- Hot knife (sealed edge) slitting upon request with 1 roll minimum order quantity.

Last updated : 2018-10-09

Catalog position : Release fabrics / Peel plies

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Data Sheet

RELEASE EASE® 234 TFNP

Non-porous PTFE coated fiberglass fabric

DESCRIPTION

Release Ease® 234 TFNP is a non-porous glass fabric. Release Ease® PTFE coated fiberglass fabrics will provide release from all conventional resin systems. Porous products will allow excess resin, volatiles and trapped air to escape into the breather during cure while non-porous products will retain resin. Release Ease® products have a continuous service temperature to 550°F (288°C).

BENEFITS

- Non-porous hard wearing release sheet for molding flat and simple shaped parts.
- Can be used multiple times to help reduce consumable usage and time spent cutting materials.
- Provides a smooth high gloss finish on molded parts, reducing time spent hand finishing.

TECHNICAL DATA

Maximum use temperature	550°F (288°C)
Fiber type	Fiberglass
Thickness	0.003 inch (0.075 mm)
Color	Brown
Coating type	PTFE
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
38 inches (97 cm)	100 yards (91 m)	1 roll
50 inches (127 cm)	100 yards (91 m)	1 roll
60 inches (152 cm)	100 yards (91 m)	1 roll

- Other sizes available on special request. Minimum order may apply.

NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Color is subject to slight variation and does not affect performance.
- Hot knife (sealed edge) slitting upon request with 1 roll minimum order quantity.

Last updated : 2018-10-09

Catalog position : Release fabrics / Peel plies

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Data Sheet

RELEASE EASE® 236 TFNP

Non-porous PTFE coated fiberglass fabric with increased thickness

DESCRIPTION

Release Ease® 236 TFNP is a non-porous glass fabric with increased thickness and PTFE content to reduce fabric mark-off. Release Ease® PTFE coated fiberglass fabrics will provide release from all conventional resin systems. Porous products will allow excess resin, volatiles and trapped air to escape into the breather during cure while non-porous products will retain resin. Release Ease® products have a continuous service temperature to 550°F (288°C).

BENEFITS

- Non-porous robust release sheet for molding flat and simple shaped parts.
- Can be used multiple times to help reduce consumable usage and time spent cutting materials.
- Provides a smooth high glass finish on molded parts, reducing time spent hand finishing.

TECHNICAL DATA

Maximum use temperature	550°F (288°C)
Fiber type	Fiberglass
Thickness	0.006 inch (0.152 mm)
Color	Brown
Coating type	PTFE
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
38 inches (97 cm)	100 yards (91 m)	1 roll

- Other sizes available on special request. Minimum order may apply.

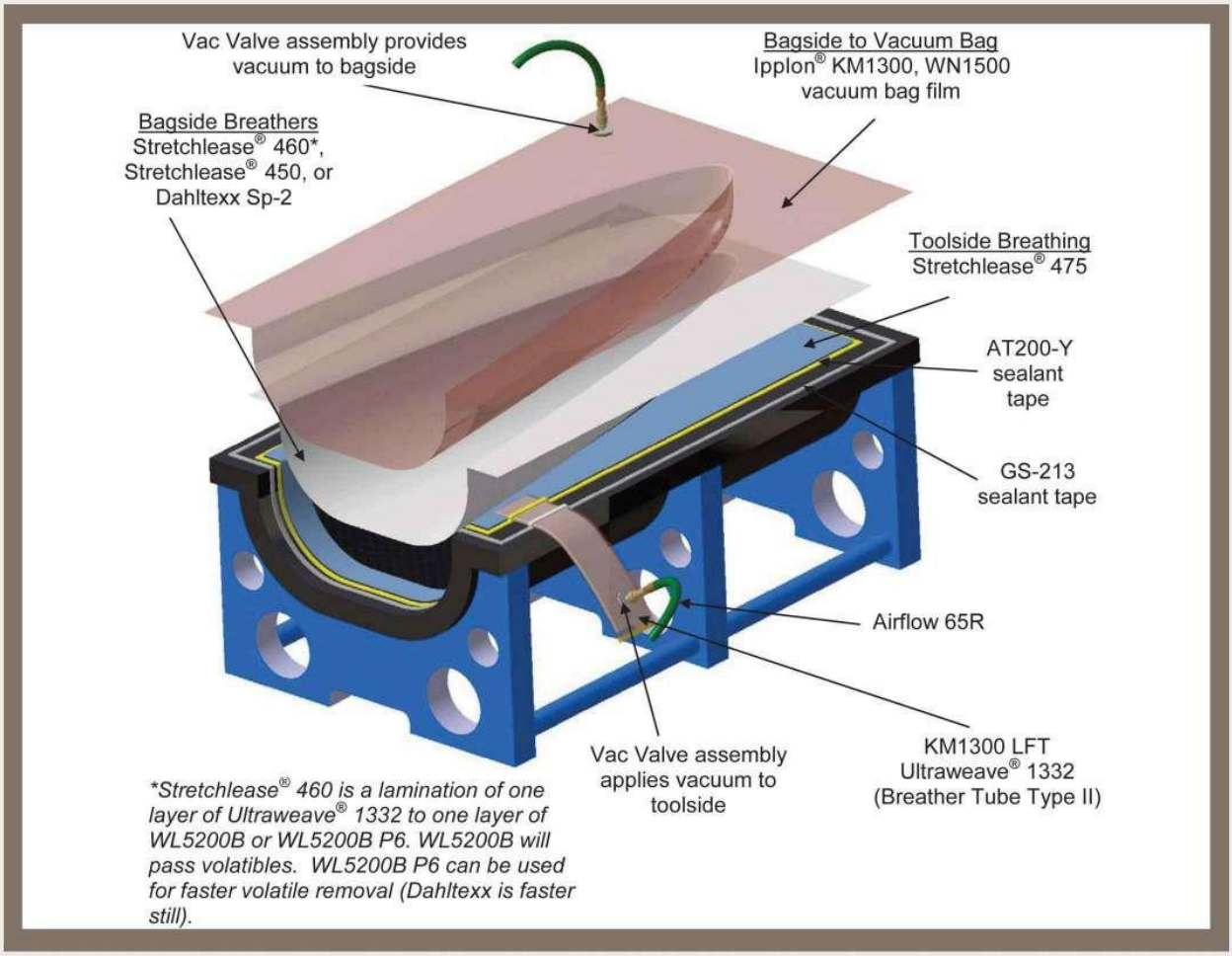
NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Color is subject to slight variation and does not affect performance.
- Hot knife (sealed edge) slitting upon request with 1 roll minimum order quantity.

Last updated : 2018-10-09

Catalog position : Release fabrics / Peel plies

BAGSIDE AND TOOLSIDE BREATHING



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Data Sheet

DAHLTEXX SP-2

Air permeable resin barrier material

DESCRIPTION

Dahltexx SP-2 is an air permeable membrane which can be used for techniques such as toolside breathing and bag side breathing to aid the removal of air but still contain resin. Due to the micro-porous structure of the Dahltexx SP-2 membrane, it will allow the passage of air and restrict the flow of resin. Dahltexx SP-2 is intended for vacuum only applications.

BENEFITS

- Improve laminate quality by releasing trapped air from resin infusions.
- Reduce resin waste by blocking resin flow into vacuum manifolds.
- Infuse more complex parts faster and with simpler resin flow lines.

TECHNICAL DATA

Fiber type	Nylon
Maximum use temperature	350°F (177°C)
Weight	4.2 oz/yd^2 (140 g/m^2)
Color	Light blue fabric side / White membrane side
Shelf life	Unlimited when stored in original packaging at 72°F (22°C)

SIZES

Width	Length	Packaging
58 inches (147 cm)	164 yards (150 m)	1 roll

NOTES

- In order to achieve release from a cured laminate, the membrane should be placed fabric side down as the membrane side is not self releasing *(see previous page - "Bagside and Toolside Breathing").*
- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.

Important Notice - Provided at the request of Airbus
Dahltexx SP-2 must not be used for the so-called VAP® process patented by **AIRBUS** Defense and Space GmbH (European Patent EP 1 181 149B1 and international counterparts in the following countries: Austria, Belgium, Germany, Spain, Finland, United Kingdom, Italy, the Netherlands, Portugal, Sweden, USA, Canada, Brazil, Australia, South Korea, Indonesia, Japan, China, Russia, Turkey, and France). Offenders will be held liable for the payment of damages.

Last updated : 2018-10-10

Catalog position : Release fabrics / Peel plies